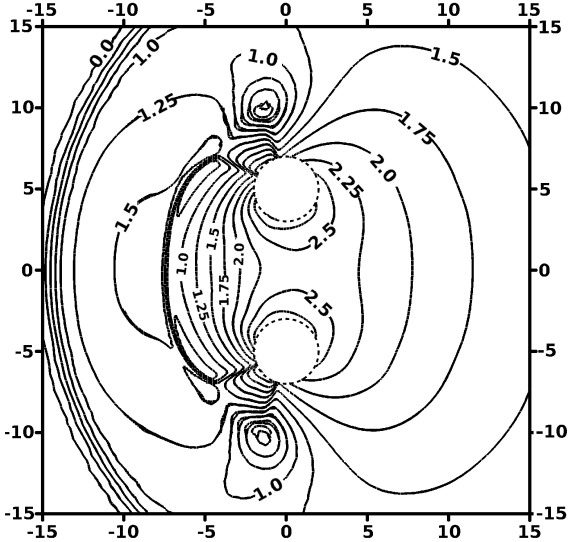
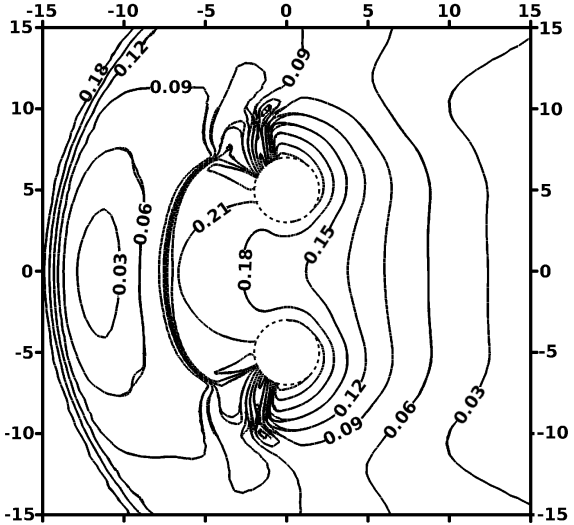


(a) $\log \rho$



(b) Total velocity $\sqrt{v^2}$ calculated using the Brill-Lindquist metric